

20020605.ba v03\_n344.bam.20020605

>From ???@??? Wed Jun 5 15:01:38 2002 -0500  
Message-Id: <200206052001.g55K1Ilc027713@sco.theporch.com>  
Date: Wed, 5 Jun 2002 15:00:52 CDT  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3344

### BOATANCHORS Digest 3344

Topics covered in this issue include:

- 1) Re: Swan 240 filament voltage  
by W7QH0@aol.com
- 2) USS COBIA info  
by Tom Aschenbrenner <Boat@Aschen.com>
- 3) KFS Testing Again 8 June  
by "Richard Dillman" <ddillman@igc.org>
- 4) Re: PC motherboard with a vacuum tube audio output section  
by "ed sharpe" <esharpe@uswest.net>
- 5) Re: PC motherboard with a vacuum tube audio output section  
by John Kolb <jlkolb@cts.com>
- 6) Tube amplifier output impedance  
by Arden Allen <gumbear@pacbell.net>
- 7) RE: Davids Status of projects  
by "Freeberg, Scott (STP)" <Scott.Freeberg@guidant.com>
- 8) Re: PC motherboard with a vacuum tube audio output section  
by "David L. Thompson" <thompson@mindspring.com>
- 9) Do you Have Any Projects on the Bench?  
by "Freeberg, Scott (STP)" <Scott.Freeberg@guidant.com>
- 10) Re: Projects on the Bench  
by Ralph Parker <rparker@dccnet.com>
- 11) RE: Do you Have Any Projects on the Bench?  
by "Shirli Sieb" <sieb@sympatico.ca>
- 12) Re: Do you Have Any Projects on the Bench?  
by "John Page" <k4kwm@hotmail.com>
- 13) Re: Swan 240 filament voltage  
by Robert Lawson <w4rl@bellsouth.net>
- 14) Re: Projects on the Bench  
by <plmills@attglobal.net>
- 15) ADMINISTRIVIA: Using The Archives  
by listown@nanniandjack.com (Mail List Owner)
- 16) Projects  
by "Thomas B Smith" <tsmith@hal-pc.org>
- 17) RE: Do you Have Any Projects on the Bench?  
by "Edward Zeranski" <ezeran@concentric.net>
- 18) Re: Do you Have Any Projects on the Bench?

by "Grant Youngman" <nq5t@attbi.com>

---

From: W7QHO@aol.com  
Message-ID: <81.1c8d9169.2a2eb3a5@aol.com>  
Date: Tue, 4 Jun 2002 20:21:57 EDT  
Subject: Re: Swan 240 filament voltage  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I've noticed this in command sets (ARC-5 and SCR-274N) with the series wired 1625s used in the PA. Some pairs of tubes will show as much as 15 volts across one heater and 9 volts on the other (24 volt supply). Pays to check and match.

Dennis D. W7QHO  
Glendale, CA

---

Message-ID: <3CFD6E30.DB580DA4@Aschen.com>  
Date: Tue, 04 Jun 2002 20:49:36 -0500  
From: Tom Aschenbrenner <Boat@Aschen.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: USS COBIA info  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Does anyone have the operating freq of the 706AY,BY, and CY magnetrons? The 706 is used in the SJ-1 radar and I need the freq for the FCC license application. I think these were made by Western Electric.

Thanks,

Tom Aschenbrenner

---

From: "Richard Dillman" <ddillman@igc.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Tue, 4 Jun 2002 19:57:48 -0700  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Subject: KFS Testing Again 8 June

Message-ID: <3CFD1BBC.32695.175029@localhost>

Thanks for all the signal reports from our first test of the KFS transmitter last weekend. As a result of these reports we have been made aware of keying problems that we could not hear at the transmitting site.

The acoustics in the transmitter gallery are such that it is almost impossible to accurately hear the transmitted signal on a local receiver. See...

<<http://radiomarine.org/BLTx1IMD0402.jpg>>

for a view of the transmitter gallery (note the speakers at the upper right of the frame), and...

<<http://radiomarine.org/BLCrIMD0402.jpg>>

for a view of the Bolinas transmitting station control room.

We plan to test the transmitter again this Saturday, 8 June. The beginning time is uncertain since we must diagnose the problem first. But we should be on the air by 1300 to 1400PDT (2000 - 2100GMT) on 17026.0kc.

Additional reception reports would be appreciated, especially from those who copied last weekend's transmission and can provide a comparison report.

VY 73,

RD

Richard Dillman, W6AWO  
Member of the Maritime Radio Historical Society  
<http://www.radiomarine.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios over 100lbs.

-----  
Date: Tue, 4 Jun 2002 21:44:28 -0700

Message-ID: <004501c20c4b\$ae28dfb0\$0100a8c0@smecexp>

From: "ed sharpe" <esharpe@uswest.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: PC motherboard with a vacuum tube audio output section

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

how totally assinine!  
I am laughing so hard I am falling outta my chair!

They seem to totally have missed the ticket though, there are no mention of those GRRRRREeeeeeat! gold plated connectors and cables.....

ed sharpe archivist for smecc

----- Original Message -----

From: "Chuck Grandgent" <chuck@k1om.com>

To: "Old Tube Radios" <boatanchors@theporch.com>

Sent: Tuesday, June 04, 2002 1:19 PM

Subject: PC motherboard with a vacuum tube audio output section

> As an indication of just how perverted the planet has become,  
> here is a PC motherboard with a vacuum tube audio output section !  
>  
> <http://www.aopen.com/products/mb/ax4b-533Tube.htm>  
>  
> 73, Chuck, K10M  
>  
>  
>

-----  
Date: Tue, 4 Jun 2002 23:30:13 -0700 (PDT)

From: John Kolb <jlkolb@cts.com>

To: Old Tube Radios <boatanchors@theporch.com>

cc: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: PC motherboard with a vacuum tube audio output section

Message-ID: <Pine.BSF.4.44.0206042323340.33924-100000@king.cts.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 4 Jun 2002, ed sharpe wrote:

> They seem to totally have missed the ticket though, there are no mention of  
> those GRRRRREeeeeeat! gold plated connectors and cables.....  
> ----- Original Message -----  
> From: "Chuck Grandgent" <chuck@k1om.com>  
>  
> > As an indication of just how perverted the planet has become,  
> > here is a PC motherboard with a vacuum tube audio output section !  
> >

> > <http://www.aopen.com/products/mb/ax4b-533Tube.htm>

Sounds like a rip off - they advertise 5.1 surround sound audio but only have a single tube, which if a 12AX7 could only be stereo output at the most.

Speaking of 5.1 channel audio, if I have 6 speakers, how do I modify one to be only 0.1 speaker? Remove all except the voice coil?

To get back on topic (Hi Jack), how do I modify my R-390A for surround sound?

And to get serious finally, what's the max current I should use reforming electrolytic caps? And when the current decreases to what amount at rated voltage, do I consider the process complete?

John

-----  
Date: Tue, 04 Jun 2002 23:56:03 -0700  
From: Arden Allen <gumbear@pacbell.net>  
Subject: Tube amplifier output impedance  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0GX800EX40LMKK@mta7.pltn13.pbi.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

I'm not trying to trump Scott Robinson but my guess is he doesn't have the time to draft a proper dissertation on the subject of vacuum tube output impedance. I do have the time right now so here goes. Not having had the benefit of a math, science and engineering education that would qualify me as a master of electronic pedagogy should preclude me from making this dissertation, however nothing is gained if nothing is tried.

First of all, some basic principles: If a battery's voltage did not drop somewhat when a load is applied, the battery would be considered to be a perfect \*voltage source\*. You could draw as much current as you wanted up to infinity. Conversely, if a source of electric current provided only one magnitude of current regardless of load resistance, it would be considered to be a perfect \*current source\*. With no load applied the output voltage of a perfect current source would rise to infinity. Take your choice, infinite current (voltage source) or infinite voltage (current source). The output \*resistance\* of a voltage source is infinitely \*low\*, or zero if you can't stand the concept of negative infinity. The output resistance of a current source is thus infinitely \*high\*. Obviously, Radio Shack doesn't

sell either one.

Just as an aside, remember the differences between capacitors and inductors? Capacitors act as primarily as voltage sources and inductors act primarily as current sources, at least for a brief period of time, because they only are storage elements and cannot provide an inexhaustible supply of energy.

In the real world all sources of electric energy act both as voltage and current sources. Some are more of a voltage source, some are more of a current source, and some sit on the fence acting equally as both a current and voltage source. How does a device act equally as a voltage and current source? When its output resistance is equal to the load resistance attached to it. As if by serendipity we are now considering Scott's comment, "...Don't get hung up on the maximum power transfer theorem (load  $Z = \text{source } Z$ ); .....". The maximum power transfer theorem states that the maximum amount of power is transferred from a source to a load when the resistance of the source and the resistance of a load are equal in value. Going back to our voltage source, the *lower* the load resistance we attach the *higher* the power is delivered to the load. The *lower* the load resistance we attach to our current source the *lower* the power is delivered.

So what is it about a vacuum tube power amplifier that makes it difficult to understand why its plate resistance is not directly related to the power it can deliver to a load? That's because a tube has two kinds of plate resistance. One is the *static* or DC plate resistance, the value expressed under "plate resistance" in our tube manuals, and the other is the *dynamic* plate resistance, from which the "load resistance" specification is derived. How you get from one to the other is not so easy to understand. The shocking truth is vacuum tubes are terribly non-linear devices. The value of plate resistance stated in the tube manual is, practically speaking, almost a fraud. If you determine the value of plate resistance at various values of control grid voltage, screen voltage, plate voltage, and plate current, you get different values of plate resistance. To get to the crux of the issue, the dynamic plate resistance of a tube takes into account a relatively wide range of operating instances to determine what a tube is capable of doing with real signals. Looking at it as a voltage/current source, a tube appears to change its ratio of voltage/current 'sourcefulness' as a signal proceeds to be amplified through time. Ah, now we know where that sweet sounding, or repugnant, depending on the attitude of one's ear, *distortion* comes from! Getting the maximum power out of a tube and keeping the distortion as low as possible at the same time also requires taking into account the fact that the DC resistance of an output transformer is much lower than the AC load presented to the plate of the tube. So forget about the plate resistance specification of a tube when thinking about transformer coupled power amplification. Plate resistance is merely a figure of merit for

doing mathematically based tube circuit analysis. And that's where I leave off .....

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Message-ID: <42ECC21B33DFF245BAFAF57274BA5CE50D97E5@stpmse04.ad.guidant.com>  
From: "Freeberg, Scott (STP)" <Scott.Freeberg@guidant.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Davids Status of projects  
Date: Wed, 5 Jun 2002 09:09:59 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Thanks for posting your project status. Personally I enjoy hearing what projects others are working on, what problems they are encountering and resolving, and just to hear what radios others have on the work bench. I got a chuckle out of the Geloso pair from 1862 :^)

I've got two radio's on the bench. First is a a homebrew HBR-16 (from the Ted Crosby series in late 50's QST) built by someone else. I am looking to build an HBR myself so I bought the radio for just the parts. It turned out to be a beautiful radio in great condition. The radio was built by a master builder for sure. The construction is top notch and it actually works. I've listened to 40 meter and 20 meter cw quite a bit and it sounds great. I ran some simple receiver comparisons with the HBR and a Collins KWM-2A. The HBR was as sensitive as the KWM-2A on 20 meters and has rich audio.

The other project on the bench is a Johnson Viking II transmitter. After a through clean up, lub and oil, it tunes up nicely. The modulator doesn't quite work though. A previous owner gutted the speech amplifier and replaced it with a version similar to the Valiant. It was a cleanly done mod and could be reversed with no or little notice. I need to finish troubleshooting the mod to find out how well it might work. I get a tiny bit of audio out on AM but just a bit. If its a good performer, I'd be inclined to leave it in. If the mod is bad or never worked, then I'll just restore it back to original. I am more of an original kind of guy and not into mods.

An upcoming project is having an original Johnson Desk KW desk option restored to hook up with my Desk KW. I found an original desk option complete with the Johnson Viking tag on the pencil drawer. Johnson discontinued the Desk KW before they sold this desk option so they used it as a company desk before it was sold off in an office equipment sale. Now its chuck full of some teenagers stickers and sports a sand colored paint job. The sand color paint job was also factory done oddly enough. When

Johnson got new style and color office furniture, they repainted the old battleship gray stuff to match the new sand colored stuff. The linoleum is bad also so I will need to find a piece of that. One local auto body place quoted me \$750 to strip and repaint the desk plus clearcoat... I just want to sit at the desk, not display it in a parade :^))

73, Scott WA9WFA in Saint Paul Minn

>>>>

I have four on-going projects. A S72 portable receiver, a hallicrafters SR-2000, a Geloso pair from 1862, and a KW 2000E.

>>>>

-----  
Message-ID: <00fa01c20c9f\$88e900a0\$358256d1@default>  
From: "David L. Thompson" <thompson@mindspring.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: PC motherboard with a vacuum tube audio output section  
Date: Wed, 5 Jun 2002 10:44:44 -0400

Better yet why not put tubes in the sound card. They sound awful and even more so when you try to use the sound card for voice transmit!

Dave K4JRB

-----  
Message-ID: <42ECC21B33DFF245BAFAF57274BA5CE5080429@stpmse04.ad.guidant.com>  
From: "Freeberg, Scott (STP)" <Scott.Freeberg@guidant.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Do you Have Any Projects on the Bench?  
Date: Wed, 5 Jun 2002 11:13:40 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Are David and I the only guys on the list with interesting projects on the bench?? 73, Scott WA9WFA in Saint Paul Minn

-----  
Message-Id: <3.0.5.32.20020605093546.0080a760@pop3.dccnet.com>  
Date: Wed, 05 Jun 2002 09:35:46 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Ralph Parker <rparker@dccnet.com>  
Subject: Re: Projects on the Bench  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"



>Are David and I the only guys on the list with interesting projects on the  
>bench??

Well, no, but mine have been there for so long that I'm embarrassed to admit it.

1. An HQ-170 with an odd IF mod I'm trying to remove (looks like the P0 tried to change the 40m conversion, via an extra wafer on the bandswitch - long wires everywhere).
2. Johnson Thunderbolt - cleaning, replacing the passive input resistor with 50 ohms, adding an antenna relay (a no-new-holes mod).
3. SB-220 - replacing a fil xfmr fried by a P0. Probably caused by H-K short which was probably caused by VHF parasitic.
4. 3 tube rx with plug-in coils. Built by someone else. I found one in a late 30's E&I handbook that looks like this one, so I've got something to go by. Needs re-wiring - pretty messy under there.

All I need is more time - I'm semi-retired and don't have enough for all the projects which are waiting on the shelf, never mind the above, which are actually on the bench with their feet up.

VE7XF

-----  
From: "Shirli Sieb" <sieb@sympatico.ca>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Do you Have Any Projects on the Bench?  
Date: Wed, 5 Jun 2002 12:51:40 -0400  
Message-ID: <LOBBJH0LOOHLIPLONIAFKEEHFDAA.sieb@sympatico.ca>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

From: Ed VA3ES:

I have a DX-100 on the bench, awaiting a rather complete overhaul.  
However, in the "in" shelf are:  
Another DX 100,  
an Apache for overhaul  
three Johnson Rangers,  
National NC-303 (complete refurb),  
HQ-170 for audio problem,  
two Lafayette HE-30's for tune-up and restoration,  
an HA-460 for restoration  
a Polycomm 6 for restoration  
several tube CB's for conversion to 10M  
a homebrew 75M mobil AM rig for restoration  
Bill Orr - 4-400 amp (adding a switchand mod for Class C and AM operation)

Home brew 813 AM rig for rebuilding.  
and many other sundry small jobbies.

plus, several solid-state projects - transverters (2) and a couple of  
rice-boxes to be looked at.

Thank goodness I'm relatively young!

73,  
Ed - VA3ES

> -----Original Message-----

> From:Freeberg, Scott

> Sent: Wednesday, June 05, 2002 12:14 PM

>

> Are David and I the only guys on the list with interesting projects on the  
> bench?? 73, Scott WA9WFA in Saint Paul Minn

>

>

-----  
From: "John Page" <k4kwm@hotmail.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Do you Have Any Projects on the Bench?

Date: Wed, 05 Jun 2002 17:23:54 +0000

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Message-ID: <F2618K0zZxxT8Hakv0w00018607@hotmail.com>

Good heavens, I have more than I will probably ever get to.

1: NC183 on the bench now getting a complete restore.

2: Ranger just waiting for a Dee Almquist panel and cabinet

3: SX28A recapped and partially cleaned. Needs panel and cabinet  
painted.

4: 32S1, need to fix no grid drive prob

5: S20 with no audio

6: Have a 32V2 coming tomorrow that is a total mess but I did restore  
one that looked worse.

7: KWM2 with an audio squeal.

8: S40B restored and waiting for a cabinet repaint.

9: 75A4 with various small problems.

10: A faux 270G speaker that I need to finish. Wood, but will look just  
like a 270G complete with wrinkle St James Gray.

11: SX71 just finished except for a lid repaint. By thr way, I found a  
Krylon paint called "stainless steel". It looks real good on the Halli lids.

12: 30L1 with soft tubes. But thats a no brainer. Just need money :-\

I know theres a few more but I am in overload mode now and just cant remember what they are. Oh yes, a TR4C. Condition unknown.  
Also building a classic plug in coil, link coupled antenna tuner with an RF ammeter for my balanced line antenna. It uses B&W TVL coils.

John K4KWM

-----  
Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

-----  
Message-ID: <3CFE6723.B46F356A@bellsouth.net>  
Date: Wed, 05 Jun 2002 12:31:49 -0700  
From: Robert Lawson <w4rl@bellsouth.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Swan 240 filament voltage  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Fellas,

I screwed up royally in my previous post reference the shunt resistor installation. Not the theory though given to me by my friend Dave W5YSA. Ed K4PF was kind enough to tell me of my wayward ways. I know that there are not a gazillion 240's being actively used, but I want to stand corrected on the reflector.

Yes, shunt the resistor across pins 2 and 7. Solder one end of the resistor to pin 2 of the 6DQ5. The other end of the resistor is tied to a convient point on the input side of the panel light for the plate meter from which this filament voltage wire ties back to pin 7. Thus the resisitor is now in parallel.

Of note, I phoned Dave W5YSA just before writing this and told him what I did. I am scheduled for a formal Wolfhong lashing before the whole assembly of the Pensacola Boatanchors Secret Society at midnight on the next full moon. Wish me luck. You know I kind'a wondered after I re-wired the 240 initially (and wrongly) why the panel lights were dim. They were in fact, along with my brain HI.

Thanks for the read, and I apologise for the blunder in my original wiring directions.

73 for now as I need to get into chaper one of my Q&A manual for the Citizens Band License test. Mavbe I should go back to shortwave listening.

Robert WPE4FGR W4RL

-----  
Message-ID: <002001c20cbc\$935d85c0\$bcd2400c@W5BVB>  
From: <plmills@attglobal.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Projects on the Bench  
Date: Wed, 5 Jun 2002 13:12:37 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Projects....golly, this could get to be pretty long :-)

2 Collins 75A-1 receivers bought as parts units but complete except for knobs. Too good to part out so I just gotta restore them.

Johnson Ranger II with freshly redone cabinet and panel that I bought for just a little more than the cost of the cabinet/panel job. Needs to be assembled.

T-195 -- was working but had low output. Got a depot refurbished PA module off eBay for \$50 but haven't gotten around to installing it. Sure is fun to listen to all those blowers and dynamotors.

R-392 -- working but needs the front panel replaced. I have the replacement panel but just need time....

GE tube 2-way 4-channel mobile for 2 meters with xtals for local repeaters. One front connector is intermittent. Single 6146 final and all tubes except for power supply.

Collins 32S-3 that works on 20 meters and below but not above. Problem is in the xtal oscillator but it's driving me nuts trying to find it.

Collins KWS-1 from an estate. Been in storage for probably 15 years or so. Needs thorough cleaning and some "enhancements" undone but should restore to stock.

Tube testers that need servicing. Really need to be

fixed first. TV-2C that reads consistently low.  
Hickock cardmatic that works when you can get it  
to read the card.

At least my wife is smart enough to hire someone for the  
non-radio projects such as roof, house painting, etc.

73, Phil  
W5BVB

-----  
Message-Id: <200206051815.g55IF0TA006730@osr506.nanniandjack.com>  
From: listown@nanniandjack.com (Mail List Owner)  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: ADMINISTRIVIA: Using The Archives  
Date: Wed, 5 Jun 2002 11:15:00 -0700 (PDT)

Gang-

!!!THIS INFORMATION HAS CHANGED!!!!

!!!SAVE THIS FILE FOR FUTURE REFERENCE!!!!!!

This periodic post is designed to help everyone gain more value from  
their boatanchors subscription.

Often I receive an email request, or I read on the list, of someone  
who is aware there is an archive available with some special files  
with special information that is of a more permanent nature than a  
post to the list, but who is unaware of how to retrieve these gems.

In the archives, there are cross-reference tables for Tubes, Military  
Equipment Nomenclature, suggestions for restorations and modifications  
to our beloved fire bottle rigs, and some wonderful stories of real  
adventures and the people involved.

These files may be accessed by the Web... quickly and easily.  
These files can also be accessed by email.

For WWW access:

- go to <http://www.theporch.com>
- select "Mailing List Web Interface"
- on your first time there, click "Register For Full Account"
- follow the instructions, and BE SURE you use the email address  
that you have your BoatAnchors mail addressed to -- this interface  
will work ONLY for members of the list!
- Once registered, you can:

search the archives of previous posts (so far we haven't loaded  
all the previous posts online, but that is in the works;  
download the index of files;  
retrieve individual files  
manage your subscription via the web interface

AWESOME!

For email access:

Step One:

send an email (leave the subject blank, or, if your mailer  
requires a subject, type a single character, like "a" in  
the subject box) to:

listproc@sco.theporch.com

Step Two:

in the body type:

index boatanchors

NOTE: The index \*includes\* all the previous articles now available  
through the web interface, so the index is HUGE and difficult  
to search -- the web interface is much easier.

Step Three:

after checking out the index for files of interest, and finding  
the one or more you want to have sent to you, send another  
email to:

listproc@sco.theporch.com

and, in the body, type:

get boatanchors file.name

where you substitute the name of the file from the index  
for "file.name"

This should get you off to a good start. If you encounter any problems,  
please let me know at the address below.

--

73

Jack, W4KH/Mobile - - - Mailing List Archiver/Owner - - -

listtown@nanniandjack.com - "Plus ca change, plus c'est la meme chose"

"Il n'y a que les idiots qui ne changent jamais d'idee"

Wed Jun 5 11:15:00 PDT 2002

-----  
From: "Thomas B Smith" <tsmith@hal-pc.org>

Subject: Projects

To: Old Tube Radios <boatanchors@theporch.com>

Date: Wed, 05 Jun 2002 13:24:05 -0500

Message-ID: <web-11763488@mail.hal-pc.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="ISO-8859-1"; format="flowed"  
Content-Transfer-Encoding: 8bit

All this talk of projects (and I have my share) but I'm looking for a "Project". I would like to find a complete or nearly complete HBR, like the HBR-16. I have some Collins and Millen trading material or will buy it outright.

Thanks,  
Tom N5AMA

-----  
From: "Edward Zeranski" <ezeran@concentric.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Do you Have Any Projects on the Bench?  
Date: Wed, 5 Jun 2002 12:32:28 -0700  
Message-ID: <FHEBKNEBHGNPDPLBMCNEKECOCDA.ezeran@concentric.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Subject: Do you Have Any Projects on the Bench?

Are David and I the only guys on the list with interesting projects on the bench?? 73, Scott WA9WFA in Saint Paul Minn

I just finished a TCS-12 set, radios, power supply, cables & wiring, RS38A mic & 26001B key, etc which was sent as a donation to LST-325. Luckily a friend driving to Birmingham AL delivered the 93 lb AC power supply saving a bit of shipping. On May 3-5 we took it up to San Pedro, Ft. MacArthur, for the West Coast Military Radio Collectors Group annual get together where the set was run off a dynamotor supply into an inverted 'L'. Since the bench was 'tooled up' for TCS triage I decided to go through my other sets, just finished my main keeper and rechecked a set I'm storing for Gary KM6A. I still have a BC610I waiting work but will be working on 'small' sets for a while. After that there is an RAK/RAL pair to be done for the 325.

Doug WA6VOV, friend and retired coworker, just finished a BC-348 which had been slightly modified. That is a break from homebrewing sweep tube and 6L6 transmitters from the old Handbooks and QSTs. I have his RS-3 regen from July 63 QST down in the desert in Borrego Springs, it is a neat little radio.

Thats about it for now except rebuilding the swamp coolers down in the desert which is BoatAnchoresque technology :^o

EdZ

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From: "Grant Youngman" <nq5t@attbi.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Wed, 5 Jun 2002 15:03:00 -0500  
MIME-Version: 1.0  
Subject: Re: Do you Have Any Projects on the Bench?  
Message-ID: <3CFE2824.24688.32972FE3@localhost>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

Well ... just a few projects

1. Ranger II -- putting in extensive audio and other modifications like RF output control, new PTT and other control circuits, etc. Currently in pieces on the bench.
2. SX-28 -- been in the line so long I sometimes forget it's there. Have the painful recap of the RF deck to go through. But I really want to get this working so I can just sit back and listen ...
3. CE Sideband Slicer & Q-Mult -- general rehab
4. SB-102 -- About decided to "re-kit" this, at least to the board level. Also an SB-620, SB-640 in the pile plus the power supply for the transceiver.
5. Racal RA-237B LF converter and RA-98D ISB adapter for my RA17C-12
6. SX-100 -- had it a long time and never touched it Needs alignment and a general going over.
7. A lowly Heath AR-3, which looks pretty but hums mostly and doesn't do much else of use.

Plus two pieces of sand-state gear that need work -- a Galaxy R-1530, and Drake MSR/FM-P.

And then there's all the parts and iron for that big hambrew AM rig I'd like to get built one day.

If I didn't have to work for a living, I might actually have TIME for this



hobby.

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End of BOATANCHORS Digest 3344  
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